

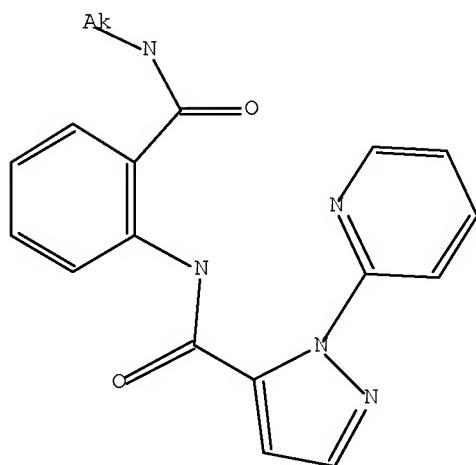
L1 STRUCTURE UPLOADED

L1 STRUCTURE UPLOADED

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L1 HAS NO ANSWERS

L1 STR



L2 50 S L1 SSS SAM

L3 94051 S L1 SSS FULL

E ACRINATHRIN/CN

SET EXPAND CONTINUOUS

L4 1 S E3

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E CYFLUTHRIN/CN

L5 1 S E27

E CYPERMETHRIN/CN

L6 1 S E39

E DELTAMETHRIN/CN

L7 1 S E51

E LAMBDA CYHALOTHRIN/CN

E LAMBDA CYHALOTHRIN/CN

E LAMBDA-CYHALOTHRIN/CN

L8 1 S E87

E TAUFLUVALINATE/CN

E TAU-FLUVALINATE/CN

L9 1 S E111

E GAMMA-CYHALOTHRIN/CN

L10 1 S E123

E BETA-CYFLUTHRIN/CN

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FILE 'HCAPLUS' ENTERED AT 14:30:03 ON 31 DEC 2009

L12 464 S L3

L13 137 S L12 AND (L4-L11)

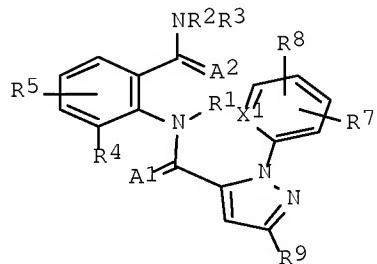
L14 8 S L13 AND (PY<2004 OR AY<2004 OR PRY<2004)

L15 1 S L14 AND (SYNERG? OR ENHANCE?)

L15 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2009 ACS on STN

TI Synergistic insecticidal combinations comprising anthranilic acid amides and pyrethroids.

GI



I

AB Synergistic insecticidal combinations comprise anthranilic acid amides I [A1, A2 = O or S; X1 = N or (un)substituted NH; R1 = H, (un)substituted alkyl, alkenyl, alkynyl or cycloalkyl; R2 = H, alkyl, alkenyl, alkynyl, alkoxy, cycloalkyl, etc.; R3 = H, (un)substituted alkyl, alkenyl, etc.; R2NR3 = ring; R4 = H, (halo)alkyl, (halo)alkenyl, (halo)alkynyl, (halo)cycloalkyl, (un)substituted Ph, benzyl, PhO, etc; R5, R8 = H, halo, (un)substituted (halo)alkyl, etc.; R7 = H, halo (halo)alkyl, (halo)alkoxy, etc.; R9 = haloalkyl, haloalkoxy, haloalkylsulfinyl or halo] and pyrethroids.

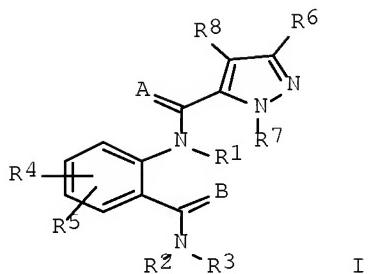
ACCESSION NUMBER: 2005:470211 HCPLUS Full-text
DOCUMENT NUMBER: 143:2640
TITLE: Synergistic insecticidal combinations comprising anthranilic acid amides and pyrethroids.
INVENTOR(S): Funke, Christian; Fischer, Reiner; Fischer, Ruediger; Hungenberg, Heike; Andersch, Wolfram; Thielert, Wolfgang; Kraus, Anton
PATENT ASSIGNEE(S): Bayer Cropscience Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 64 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2005048713 20041030 <--	A1	20050602	WO 2004-EP12330	
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 DE 102004021564 A1 20050707 DE 2004-102004021564
 20040503 <-- AU 2004290502 A1 20050602 AU 2004-290502
 20041030 <-- EP 1686859 A1 20060809 EP 2004-791083
 20041030 <-- R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE,
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 CN 1882245 A 20061220 CN 2004-80033692
 20041030 <-- BR 2004016560 A 20070123 BR 2004-16560
 20041030 <-- JP 2007510683 T 20070426 JP 2006-538722
 20041030 <-- IN 2006DN02516 A 20070406 IN 2006-DN2516
 20060504 <-- MX 2006005262 A 20060720 MX 2006-5262
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 20060511 <-- KR 2006126498 A 20061207 KR 2006-711507
 20060612 <-- US 20080070863 A1 20080320 US 2007-579076
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 PRIORITY APPLN. INFO.: DE 2003-10353280 A
 20031114 <-- DE 2004-102004021564A
 20040503 WO 2004-EP12330 W
 20041030

L16 7 S L14 NOT L15

L16 ANSWER 6 OF 7 HCPLUS COPYRIGHT 2009 ACS on STN
 TI Method for controlling particular insect pests by applying
 anthranilamide
 compounds
 GI



AB Anthranilamide compds. I (Markush included), N-oxides or an agriculturally suitable salts thereof are prepared as insecticides for controlling lepidopteran, homopteran, hemipteran, thysanopteran and coleopteran insect pests. Insecticidal composition containing anthranilamide compds. I may further comprise addnl. biol. active compds. selected from arthropodicides of the group consisting of pyrethroids, carbamates, neonicotinoids, neuronal sodium channel blockers, insecticidal macrocyclic lactones, γ -aminobutyric acid (GABA) antagonists, insecticidal ureas, and juvenile hormone mimics.

ACCESSION NUMBER: 2003:154154 HCPLUS Full-text
 DOCUMENT NUMBER: 138:200331
 TITLE: Method for controlling particular insect pests
 by applying anthranilamide compounds
 INVENTOR(S): Lahm, George Philip; McCann, Stephen
 Frederick; Patel,
 Thomas Kanu Maganbhai; Selby, Thomas Paul; Stevenson,
 Thomas Martin
 PATENT ASSIGNEE(S): E. I. Du Pont de Nemours & Co., USA
 SOURCE: PCT Int. Appl., 150 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 4
 PATENT INFORMATION:

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WO 2003015518 20020813 <--	A1	20030227	WO 2002-US25613	
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 CA 2454302 A1 20030227 CA 2002-2454302
 20020813 <--
 AU 2002355951 A1 20030303 AU 2002-355951
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 AU 2002355951 B2 20071206
 EP 1416796 A1 20040512 EP 2002-752809
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 HU 2004001043 A2 20040928 HU 2004-1043
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 HU 2004001043 A3 20051128
 BR 2002012187 A 20041005 BR 2002-12187
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 JP 2004538327 T 20041224 JP 2003-520289
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 ZA 2004000033 A 20050803 ZA 2004-33
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 20020813 <--
 RU 2262231 C1 20051020 RU 2004-107513
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 EP 1944304 A1 20080716 EP 2008-6481
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 ZA 2003009911 A 20050311 ZA 2003-9911
 20031222 <--
 US 20050075372 A1 20050407 US 2004-483115
 20040107 <--
 IN 2004MN00013 A 20070309 IN 2004-MN13
 20040108 <--
 MX 2004001322 A 20040520 MX 2004-1322
 20040211 <--
 KR 847202 B1 20080717 KR 2004-702163
 20040213 <--
 JP 2005041880 A 20050217 JP 2004-258923
 20040906 <--
 JP 4334445 B2 20090930

IN 2005MN00438	A	20051202	IN 2005-MN438
20050517 <--			
US 20080275061	A1	20081106	US 2008-141170
20080618 <--			
PRIORITY APPLN. INFO.:			US 2001-311919P P
20010813 <--			US 2001-324173P P
20010921 <--			US 2001-324128P P
20010921 <--			US 2001-341894P P
20011219 <--			US 2002-369659P P
20020402 <--			US 2002-369661P P
20020402 <--			EP 2002-750482 A3
20020813 <--			JP 2003-520290 A3
20020813 <--			WO 2002-US25613 W
20020813 <--			US 2004-483115 A1
20040107			IN 2004-MN13 A3
20040108			

E FUNKE CHRIS?/AU

L17	67 S E145, E149
L18	15 S L17 AND L3
L19	6 S L18 AND (PY<2004 OR AY<2004 OR PRY<2004)
L20	6 S L19 AND (SYNERG? OR ENHANCE?)
L21	5 S L20 NOT L15
L21	ANSWER 1 OF 5 HCAPLUS COPYRIGHT 2009 ACS on STN
TI	Synergistic insecticidal compositions comprising anthranilic acid amides
AB	Synergistic insecticidal comps. comprise anthranilic acid amides and other insecticides selected from (thio)phosphates and/or carbamates.
ACCESSION NUMBER:	2005:523210 HCAPLUS <u>Full-text</u>
DOCUMENT NUMBER:	143:21469
TITLE:	Synergistic insecticidal compositions comprising anthranilic acid amides
INVENTOR(S):	Funke, Christian; Fischer, Reiner; Fischer, Ruediger; Hungenberg, Heike; Andersch, Wolfram;
	Thielert, Wolfgang; Kraus, Anton
PATENT ASSIGNEE(S):	Bayer Cropscience Aktiengesellschaft, Germany
SOURCE:	PCT Int. Appl., 62 pp.
CODEN: PIXXD2	
DOCUMENT TYPE:	Patent
LANGUAGE:	German
FAMILY ACC. NUM. COUNT:	1
PATENT INFORMATION:	

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2005053406 20041120 <-- W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG	A1 20050616	WO 2004-EP13197		
DE 102004021565 20040503 <-- AU 2004294711 20041120 <-- CA 2547989 20041120 <-- EP 1691611 20041120 <-- R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS CN 1889838 CN 2004-80035994	A1 20050630	DE 2004-102004021565		
20041120 <-- BR 2004017322 20041120 <-- JP 2007513102 20041120 <-- IN 2006DN02655 20060511 <-- MX 2006006123 20060530 <-- US 20070142327 20060602 <-- KR 2006121262 20060630 <-- KR 870171 KR 2008090579 20080924 <-- PRIORITY APPLN. INFO.: 20031204 <--	A 20070103 A 20070327 T 20070524 A 20070518 A 20060719 A1 20070621 A 20061128 B1 20081124 A 20081008 DE 2003-10356549 DE 2004-102004021565A	AU 2004-294711 CA 2004-2547989 EP 2004-798022 CN 2004-80035994 BR 2004-17322 JP 2006-541832 IN 2006-DN2655 MX 2006-6123 US 2006-581346 KR 2006-713185 KR 2008-723366 DE 2003-10356549 A DE 2004-102004021565A		

20040503

WO 2004-EP13197

W

20041120

KR 2006-713185

A3

20060630

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S) : MARPAT 143:21469

IC ICM A01N043-56

ICS A01N057-28; A01N057-20; A01N057-16; A01N057-14; A01N057-12;
A01N047-24; A01N047-22; A01N047-18; A01N047-12

CC 5-4 (Agrochemical Bioregulators)

ST synergism insecticide compn anthranilic acid amide

IT Insecticides

(synergistic; compns. comprising anthranilic acid amides)

IT 852994-75-3

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic insecticidal composition)

IT 52-68-6D, Trichlorfon, mixts. with anthranilic acid amides 55-
38-9D,

Fenthion, mixts. with anthranilic acid amides 56-38-2D,

Parathion,

mixts. with anthranilic acid amides 60-51-5D, Dimethoate, mixts.
with

anthranilic acid amides 62-73-7D, mixts. with anthranilic acid
amides

63-25-2D, Carbaryl, mixts. with anthranilic acid amides 86-50-
0D,

Azinphos-methyl, mixts. with anthranilic acid amides 114-26-1D,

Propoxur, mixts. with anthranilic acid amides 121-75-5D,

Malathion,

mixts. with anthranilic acid amides 122-14-5D, Fenitrothion,
mixts. with

anthranilic acid amides 141-66-2D, Dicrotophos, mixts. with
anthranilic

acid amides 298-00-0D, Parathion-methyl, mixts. with anthranilic
acid

amides 298-02-2D, Phorate, mixts. with anthranilic acid amides

298-04-4D, Disulfoton, mixts. with anthranilic acid amides 301-
12-2D,

Oxydemeton-methyl, mixts. with anthranilic acid amides 333-41-
5D,

Diazinon, mixts. with anthranilic acid amides 470-90-6D,

Chlorfenvinphos, mixts. with anthranilic acid amides 563-12-2D,

Ethion,

mixts. with anthranilic acid amides 732-11-6D, Phosmet, mixts.

with

anthranilic acid amides 950-37-8D, Methidathion, mixts. with
anthranilic

acid amides 2032-65-7D, Methiocarb, mixts. with anthranilic acid
amides

2310-17-0D, Phosalone, mixts. with anthranilic acid amides 2597-
03-7D,

Phenthroate, mixts. with anthranilic acid amides 2921-88-2D,

Chlorpyriphos, mixts. with anthranilic acid amides 6923-22-4D,

Monocrotophos, mixts. with anthranilic acid amides 7786-34-7D,

Mevinphos, mixts. with anthranilic acid amides 10265-92-6D,

Methamidophos, mixts. with anthranilic acid amides 13171-21-6D,

Phosphamidon, mixts. with anthranilic acid amides 14816-18-3D,
Phoxim,
mixts. with anthranilic acid amides 16752-77-5D, Methomyl,
mixts. with
anthranilic acid amides 18854-01-8D, Isoxathion, mixts. with
anthranilic acid amides 22259-30-9D, Formetanat, mixts. with anthranilic acid amides
23103-98-2D, Pirimicarb, mixts. with anthranilic acid amides
23135-22-0D, Oxamyl, mixts. with anthranilic acid amides 23422-
53-9D,
Formetanate hydrochloride, mixts. with anthranilic acid amides
24017-47-8D, Triazophos, mixts. with anthranilic acid amides
29232-93-7D, Pirimiphos-methyl, mixts. with anthranilic acid amides
30560-19-1D, Acephate, mixts. with anthranilic acid amides
34643-46-4D,
Prothiophos, mixts. with anthranilic acid amides 41198-08-7D,
Profenophos, mixts. with anthranilic acid amides 59669-26-0D,
Thiodicarb, mixts. with anthranilic acid amides 72490-01-8D,
Fenoxy carb,
mixts. with anthranilic acid amides 96182-53-5D, Tebupirimphos,
mixts.
with anthranilic acid amides
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic insecticidal compns.)

OS.CITING REF COUNT: 5 THERE ARE 5 CAPLUS RECORDS THAT CITE
THIS RECORD

(5 CITINGS)

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE
FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE

L21 ANSWER 2 OF 5 HCAPLUS COPYRIGHT 2009 ACS on STN
TI Synergistic insecticidal and acaricidal compositions comprising
anthranilic acid amines
AB Synergistic insecticidal and acaricidal compns. comprise cyclic
ketoenols or other insecticides (amitraz, buprofezin, triazamate,
pymetrozine, pyriproxyfen, flonicamid or pirimicarb) and addnl.
insecticides from the group of anthranilic acid amines.
ACCESSION NUMBER: 2005:523209 HCAPLUS Full-text
DOCUMENT NUMBER: 143:21468
TITLE: Synergistic insecticidal and acaricidal
compositions comprising anthranilic acid
amines
INVENTOR(S): Funke, Christian; Fischer, Reiner; Fischer,
Ruediger; Hungenberg, Heike; Andersch,
Wolfram;
Thielert, Wolfgang; Kraus, Anton
PATENT ASSIGNEE(S): Bayer Cropscience Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 68 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE		
WO 2005053405 20041120 <--	A1	20050616	WO 2004-EP13198			
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AU 2004294259 20041120 <--	A1	20050616	AU 2004-294259			
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JP 2007513103 20041120 <--	T	20070524	JP 2006-541833			
CN 101253861 20041120 <--	A	20080903	CN 2008-10093705			
IN 2006DN02823 20060518 <--	A	20070518	IN 2006-DN2823			
MX 2006006209 20060601 <--	A	20060809	MX 2006-6209			
KR 2006121253 20060629 <--	A	20061128	KR 2006-713037			
KR 870174 US 20070270416 20070412 <--	B1	20081124		A1	20071122	US 2007-581447
PRIORITY APPLN. INFO.: 20031204 <--			DE 2003-10356551	A		DE 2004-102004021566A

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CN 2004-80036176 A3

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WO 2004-EP13198 W

20041120

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OTHER SOURCE(S): MARPAT 143:21468

IC ICM A01N043-00

CC 5-4 (Agrochemical Bioregulators)

ST synergism insecticide acaricide compn anthranilic acid amine

IT Acaricides

Insecticides

(synergistic; compns. comprising anthranilic acid amines)

IT 95737-68-1D, Pyriproxyfen, mixts. with anthranilic acid amines

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(Pyriproxyfen; synergistic insecticidal and acaricidal
compns.)

IT 853058-37-4 853058-38-5 853058-39-6

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic insecticidal and acaricidal composition)

IT 23103-98-2D, Pirimicarb), mixts. with anthranilic acid amines

33089-61-1D, (Amitraz, mixts. with anthranilic acid amines

69327-76-0D,

Buprofezin, mixts. with anthranilic acid amines 112143-82-5D,

Triazamate, mixts. with anthranilic acid amines 123312-89-0D,

Pymetrozine, mixts. with anthranilic acid amines 158062-67-0D,

Flonicamid, mixts. with anthranilic acid amines 382608-10-8D,

mixts.

with anthranilic acid amines

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic insecticidal and acaricidal compns.)

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THIS RECORD

(3 CITINGS)

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE

FOR THIS

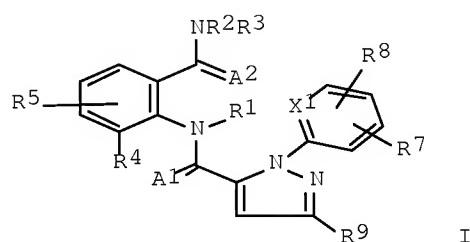
RECORD. ALL CITATIONS AVAILABLE IN THE

RE FORMAT

L21 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2009 ACS on STN

TI Synergistic insecticidal compositions comprising anthranilic
acid amides

GI



AB The invention relates to synergistic insecticide combinations comprising anthranilic acid amides I [A1, A2 = O or S; X1 = N or (un)substituted CH; R1 = H, (un)substituted alkyl alkenyl, alkynyl, etc.; R2 = H, (cyclo)alkyl, alkenyl, alkynyl, alkoxy, alkylamino, etc.; R3 = H, (un)substituted alkyl, alkenyl, alkynyl, Ph, PhO, etc.; R2NR3 = ring; R4 = H, alkyl, alkenyl, alkynyl, etc.; R5, R8 = h, halo, (un)substituted (halo)alkyl, NH2, SH, etc.; R7 = H, halo, (halo)alkyl, (halo)alkoxy, etc.; R9 = halo, haloalkyl, haloalkoxy or halosulfinyl] and another insecticides.

ACCESSION NUMBER: 2005:523202 HCPLUS Full-text
DOCUMENT NUMBER: 143:39512
TITLE: Synergistic insecticidal compositions comprising anthranilic acid amides
INVENTOR(S): Funke, Christian; Fischer, Reiner; Fischer, Ruediger; Hungenberg, Heike; Andersch, Wolfram;
PATENT ASSIGNEE(S): Thielert, Wolfgang; Kraus, Anton
SOURCE: Bayer Cropscience Aktiengesellschaft, Germany
PCT Int. Appl., 61 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2005053393 20041120 <--	A2	20050616	WO 2004-EP13196	
WO 2005053393 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG	A3	20050804		
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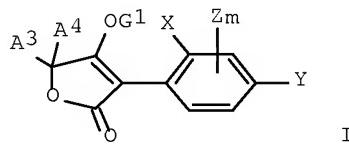
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EP 1699290	A2	20060913	EP 2004-798021
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CN 1889837	A	20070103	CN 2004-80035851
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BR 2004016545	A	20070109	BR 2004-16545
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CN 101449678	A	20090610	CN 2009-10001533
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IN 2006DN02820	A	20070518	IN 2006-DN2820
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ZA 2006004391	A	20071031	ZA 2006-4391
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MX 2006006204	A	20060809	MX 2006-6204
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KR 2006123406	A	20061201	KR 2006-713031
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PRIORITY APPLN. INFO.:			DE 2003-10356550 A
20031204 <--			CN 2004-80035851 A3
20041120			WO 2004-EP13196 W
20041120			
OTHER SOURCE(S):	MARPAT 143:39512		
IC ICM A01N			
CC 5-4 (Agrochemical Bioregulators)			
ST synergism insecticide compn anthranilic acid amide			
IT Trichogramma			
Verticillium lecanii			
(mixts. with anthranilic acid amides; synergistic insecticidal compns.)			
IT Insecticides			
(synergistic; compns. comprising anthranilic acid amides)			
IT 201593-84-2D, DBI-3204, mixts. with anthranilic acid amides			
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (bistrifluron; synergistic insecticidal compns.)			
IT 853072-26-1 853072-27-2 853072-28-3			
853072-29-4 853072-30-7 853072-31-8			
853072-32-9			
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (synergistic insecticidal composition)			
IT 11141-17-6D, Azadirachtin, mixts. with anthranilic acid amides			
35367-38-5D, Diflubenzuron, mixts. with anthranilic acid amides			
63837-33-2D, Diofenolan, mixts. with anthranilic acid amides			
64628-44-0D, Triflumuron, mixts. with anthranilic acid amides			
66215-27-8D, Cyromazine, mixts. with anthranilic acid amides			
71422-67-8D, Chlorfluazuron, mixts. with anthranilic acid amides			
83121-18-0D, Teflubenzuron, mixts. with anthranilic acid amides			
86479-06-3D, Hexaflumuron, mixts. with anthranilic acid amides			
101463-69-8D, Flufenoxuron, mixts. with anthranilic acid amides			
103055-07-8D, Lufenuron, mixts. with anthranilic acid amides			

112226-61-6D, Halofenozide, mixts. with anthranilic acid amides
112410-23-8D, Tebufenozide, mixts. with anthranilic acid amides
116714-46-6D, Novaluron, mixts. with anthranilic acid amides
119791-41-2D, Emamectin, mixts. with anthranilic acid amides
120068-37-3D, Fipronil, mixts. with anthranilic acid amides
143807-66-3D, Chromafenozide, mixts. with anthranilic acid amides
161050-58-4D, Methoxyfenozide, mixts. with anthranilic acid amides
173584-44-6D, Indoxacarb, mixts. with anthranilic acid amides
181587-01-9D, Ethiprole, mixts. with anthranilic acid amides
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic insecticidal compns.)

OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE
THIS RECORD

REFERENCE COUNT: 3 (2 CITINGS)
FOR THIS THERE ARE 3 CITED REFERENCES AVAILABLE
RECORD. ALL CITATIONS AVAILABLE IN THE
BE FORMAT

L21 ANSWER 4 OF 5 HCAPLUS COPYRIGHT 2009 ACS on STN
TI Synergistic insecticidal and acaricidal compositions comprising
anthranilic acid amides
GI



AB Synergistic insecticidal and acaricidal compns. comprise keto enols I [X = (halo)alkyl, Br or alkoxy; Y = H, (halo)alkyl, halo or alkoxy; Z = alkyl, halo or alkoxy; m = 0,1-3; A3 = H, (halo)alkyl, (halo)alkenyl, (halo)alkynyl, etc.; A4 = H, alkyl or alkoxy; A3CA4 = cycle; G1 = H, COR, CO2R1, etc.; R = (halo)alkyl, (halo)alkenyl, (halo)alkoxyalkyl, (halo)alkylthioalkyl, (un)substituted Ph,etc.; R1 = (halo)alkyl, (halo)alkenyl, (halo)alkynyl or (halo)polyalkoxyalkyl] or any of a large number of known insecticides and acaricides on one hand and anthranilic acid amides on the other hand.

ACCESSION NUMBER: 2005:470210 HCAPLUS Full-text
DOCUMENT NUMBER: 143:2639
TITLE: Synergistic insecticidal and acaricidal compositions comprising anthranilic acid
amides
INVENTOR(S): Funke, Christian; Bretschneider, Thomas;
Fischer, Reiner; Fischer, Ruediger;
Hungenberg, Heike;
Anton
PATENT ASSIGNEE(S): Bayer Cropscience Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 79 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005048712	A1	20050602	WO 2004-EP12329	
20041030 <--				
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ZW, AM, DE, DK, RO, SE, MR, NE,	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,			
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DE 10353281	A1	20050616	DE 2003-10353281	
20031114 <--				
AU 2004290501	A1	20050602	AU 2004-290501	
20041010 <--				
EP 1686858	A1	20060809	EP 2004-791082	
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EP 1686858	B1	20090318		
MC, PT,	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE,			
	IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK			
EP 1982594	A1	20081022	EP 2008-160257	
20041010 <--				
HU, IE,	R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR,			
	IT, LI, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR			
AT 425666	T	20090415	AT 2004-791082	
20041010 <--				
ES 2322364	T3	20090619	ES 2004-791082	
20041010 <--				
BR 2004016035	A	20070102	BR 2004-16035	
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CN 1901798	A	20070124	CN 2004-80040065	
20041030 <--				
JP 2007510682	T	20070426	JP 2006-538721	
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IN 2006DN02504	A	20070518	IN 2006-DN2504
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MX 2006005260	A	20060720	MX 2006-5260
20060510 <--			
ZA 2006003762	A	20071227	ZA 2006-3762
20060511 <--			
KR 2006121159	A	20061128	KR 2006-711360
20060609 <--			
KR 858869	B1	20080917	
US 20080027114	A1	20080131	US 2007-578512
20070405 <--			
PRIORITY APPLN. INFO.:			DE 2003-10353281 A
20031114 <--			EP 2004-791082 A3
20041010			WO 2004-EP12329 W
20041030			
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT			
OTHER SOURCE(S): MARPAT 143:2639			
IC ICM A01N043-56			
ICS A01N055-04; A01N053-00; A01N047-38; A01N047-34; A01N047-30;			
A01N047-24; A01N047-04; A01N043-90; A01N043-76; A01N043-713;			
A01N043-58; A01N043-54; A01N043-36; A01N043-24; A01N043-22;			
A01N043-12; A01N043-10; A01N041-10; A01N041-04			
CC 5-4 (Agrochemical Bioregulators)			
ST synergism insecticide acaricide anthranilic acid amide			
IT Acaricides			
Insecticides			
(synergistic; compns. comprising anthranilic acid amides)			
IT 115-29-7D, Endosulfan, mixts. with anthranilic acid amides 115-			
32-2D,			
Dicofol, mixts. with anthranilic acid amides 116-29-0D,			
Tetradifon,			
mixts. with anthranilic acid amides 731-27-1D, Tolyfluvalinid,			
mixts. with			
anthranilic acid amides 2312-35-8D, Propargite, mixts. with			
anthranilic			
acid amides 2439-01-2 13121-70-5D, Cyhexatin, mixts. with			
anthranilic			
acid amides 13356-08-6D, Fenbutatin oxide, mixts. with			
anthranilic acid			
amides 18181-80-1D, Bromopropylate, mixts. with anthranilic acid			
amides			
41083-11-8D, Azocyclotin, mixts. with anthranilic acid amides			
51596-10-2D, Milbemectin, mixts. with anthranilic acid amides			
57960-19-7D, Acequinocyl, mixts. with anthranilic acid amides			
65691-00-1D, Triarathene, mixts. with anthranilic acid amides			
70288-86-7D, Ivermectin, mixts. with anthranilic acid amides			
74115-24-5D, Clofentezine, mixts. with anthranilic acid amides			
78587-05-0D, Hexythiazox, mixts. with anthranilic acid amides			
80060-09-9D, Diafenthuron, mixts. with anthranilic acid amides			
82657-04-3D, Bifenthrin, mixts. with anthranilic acid amides			
96489-71-3D, Pyridaben, mixts. with anthranilic acid amides			
101463-69-8D, Flufenoxuron, mixts. with anthranilic acid amides			
105779-78-0D, Pyrimidifen, mixts. with anthranilic acid amides			
119168-77-3D, Tebufenpyrad, mixts. with anthranilic acid amides			
120928-09-8D, Fenazaquin, mixts. with anthranilic acid amides			

122453-73-0D, Chlorfenapyr, mixts. with anthranilic acid amides
 134098-61-6D, Fenpyroximate, mixts. with anthranilic acid amides
 148477-71-8D, mixts. with anthranilic acid amides 149877-41-8D,
 Bifenazate, mixts. with anthranilic acid amides 153233-91-1D,
 Etoxazole,
 mixts. with anthranilic acid amides 156592-31-3D, mixts. with
 anthranilic acid amides 283594-90-1D, mixts. with anthranilic
 acid
 amides 852328-96-2 852328-97-3
 852328-98-4 852328-99-5 852329-00-1
 852329-01-2 852329-02-3D, mixts. with anthranilic acid amides
 852329-03-4D, mixts. with anthranilic acid amides 852329-04-5D,
 mixts.
 with anthranilic acid amides

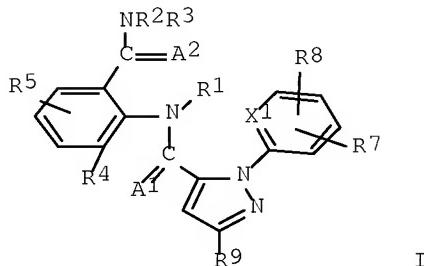
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (synergistic insecticidal and acaricidal composition)

OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE
 THIS RECORD

(1 CITINGS)

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE
 FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE
 RE FORMAT

L21 ANSWER 5 OF 5 HCAPLUS COPYRIGHT 2009 ACS on STN
 TI Synergistic insecticidal compositions comprising nicotinic
 receptor agonists and antagonists and anthranilic acid amides
 GI



AB Synergistic insecticidal compns. comprising nicotinic receptor
 agonists and antagonists RNACX:XE [R= H, (un)substituted acyl,
 alkyl, aryl, etc.; A = H, acyl, alkyl, aryl, etc; E = electron
 receptor; X = CH or N; Z = alkyl, OR, SR or NR2; ANCZ = cycle] and
 anthranilic acid amides I [A1, A2 = O or S; X1 = N or C10; R1 =
 H, (un)substituted alkyl, alkenyl, alkynyl or cycloalkyl, the
 substituents being R6, halo, CN, etc.; R2 = H, alkyl, alkenyl,
 alkynyl, cycloalkyl, alkoxy, etc.; R3 = H, alkyl, alkenyl, etc.;
 R2NR3 = ring; R4 = H, (halo)alkyl, (halo)alkenyl, etc.; R5, R8 =
 H, halo, (un)substituted (halo)alkyl, etc.; R6 = CH(:E1), LCH(E1),
 etc.; E1 = O, S, NH, N:S:O, N(NO)2, etc.; L = O, S, NH, etc.; R7 =
 H, halo, (halo)alkyl, (halo)alkoxy, etc.; R9 = halo, haloalkyl,
 haloalkoxy or halosulfinyl].

ACCESSION NUMBER: 2005:470209 HCAPLUS Full-text
 DOCUMENT NUMBER: 143:2638
 TITLE: Synergistic insecticidal compositions comprising nicotinic receptor agonists and antagonists and anthranilic acid amides
 INVENTOR(S): Funke, Christian; Fischer, Reiner; Fischer, Ruediger; Hungenberg, Heike; Andersch, Wolfram;
 PATENT ASSIGNEE(S): Thielert, Wolfgang; Kraus, Anton
 SOURCE: Bayer Cropscience Aktiengesellschaft, Germany
 PCT Int. Appl., 71 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2005048711	A1	20050602	WO 2004-EP12328	
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EP 1686857	A1	20060809	EP 2004-791081	
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EP 1686857	B1	20081210		
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RU 2373710	C2	20091127	RU 2006-120441	
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US 20070232598	A1	20071004	US 2006-579074	
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PRIORITY APPLN. INFO.:			DE 2003-10353278	A
20031114 <--			DE 2004-102004006075A	
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20041030				

E FISCHER REINER?/AU				
L22	269	S E158		
L23	14	S L22 AND L3		
L24	6	S L23 AND (PY<2004 OR AY<2004 OR PRY<2004)		
L25	5	S L24 NOT L15		
L26	0	S L25 NOT L21		
E FISCHER RUDIGER?/AU				
L27	111	S E170,E180		
L28	12	S L27 AND L3		
L29	6	S L28 AND (PY<2004 OR AY<2004 OR PRY<2004)		
L30	5	S L29 NOT L15		
L31	0	S L30 NOT L21		
E HUNGENBERG HEIKE?/AU				
L32	123	S E181-E182		
L33	35	S L32 AND L3		
L34	27	S L33 AND (SYNERG? OR ENHANCE?)		
L35	6	S L34 AND (PY<2004 OR AY<2004 OR PRY<2004)		
L36	0	S L35 NOT (L15 OR L21)		
E ANDERSCH WOLFRAM?/AU				
L37	115	S E194		
L38	20	S L37 AND L3		
L39	6	S L38 AND (PY<2004 OR AY<2004 OR PRY<2004)		
L40	6	S L39 AND (SYNERG? OR ENHANCE?)		
L41	0	S L40 NOT (L15 OR L21)		
E THIELERT WOLFGANG//AU				
L42	111	S E206		
L43	17	S L42 AND (PY<2004 OR AY<2004 OR PRY<2004)		
L44	6	S L43 AND L3		
L45	6	S L44 AND (SYNERG? OR ENHANCE?)		

L46 0 S L45 NOT (L15 OR L21)
 E KRAUS ANTON?/AU
L47 31 S E217-E218
L48 13 S L47 AND (PY<2004 OR AY<2004 OR PRY<2004)
L49 6 S L48 AND L3
L50 6 S L49 AND (SYNERG? OR ENHANCE?)
L51 0 S L50 NOT (L15 OR L21)